

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
(571) 273-2885

or Fax

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where indicated. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

24923 7590 09/29/2005

PAUL S MADAN  
MADAN, MOSSMAN & SRIRAM, PC  
2603 AUGUSTA, SUITE 700  
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12/09/2005 CNGUYEN1 00000041 020429 10629268

01 FC:1501 1400.00 DA  
02 FC:1504 300.00 DA

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Patent and Trademark Office for the Commissioner for Patents, on the date indicated below, for transmittal to the USPTO (571) 273-2885, on the date indicated below.

Beth Pearson-Naul (Depositor's name)  
Beth Pearson-Naul (Signature)  
December 8, 2005 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/629,268	07/29/2003	Paul G. Cairns	414-29494-US	6684

TITLE OF INVENTION: MEASUREMENT-WHILE-DRILLING ASSEMBLY USING REAL-TIME TOOLFACE ORIENTED MEASUREMENTS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	12/29/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
TSAY, FRANK	3672	166-250010

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Madan, Mossman &amp; Sriram, P.C.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.111. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Baker Hughes Incorporated

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Houston, Texas

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

☒ Issue Fee☒ Publication Fee (No small entity discount permitted)☐ Advance Order - # of Copies

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 02-0429 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Kaushik P. Sriram

Date December 8, 2005

Typed or printed name

Kaushik P. Sriram

Registration No. 43,150

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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MADANMOSSMANSRIRAM

Fax: 7132668510

Dec 8 '05 13:02

P. 02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:  
Paul G. Cairns et al.

Filed: July 29, 2003

Serial No.: 10/629,268

Title: "Measurement-While-Drilling  
Assembly Using Real-Time  
Toolface Oriented Measurements"

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Confirmation No.: 6684

Art Unit: 3672

Examiner: Frank Tsay

Docket No.: 414-29494-US

TRANSMITTAL OF ISSUE FEE/PUBLICATION FEE

Commissioner for Patents  
Alexandria, Virginia 22313-1460

Dear Sir:

Applicants hereby submit the following item in response to the Notice of Allowance and Issue Fee Due mailed September 29, 2005:


- (1) Issue Fee Transmittal Form PTOL-85b.

Formal drawings were filed and accepted on January 30, 2004.

The Commissioner is authorized to charge the \$1700 fee (\$1400 Issue Fee; \$300 Publication Fee) associated with this communication to Deposit Account No. 02-0429 (414-29494-US). The Commissioner is also authorized to charge any under payment or credit any over payment to Deposit Account No. 02-0429 (414-29494-US).

Respectfully submitted,

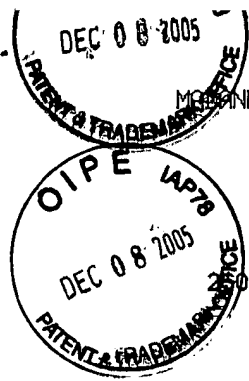
Date: December 8, 2005

  
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CERTIFICATE OF FACSIMILE TRANSMISSION

I do hereby certify that this correspondence is being transmitted via facsimile, to the Commissioner for Patents, facsimile no. (571) 273-2885, on this 8th day of December, 2005.

  
Beth Pearson-Naul



MADAN MOSSMAN SRIRAM

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Dec 8 '05 13:02 P.01

**MADAN MOSSMAN & SRIRAM, P.C.**

Attorneys At Law

2603 Augusta Drive, Suite 700, Houston, Texas 77057-5638 713 266-1130 Fax 713 266-8510

**FACSIMILE COVER SHEET**

DATE: December 8, 2005  
FOR: OFFICE OF PATENT PUBLICATION  
COMPANY OR FIRM: PTO  
FACSIMILE NO: (571) 273-2885  
FROM: Beth Pearson for Kaushik P. Sriram  
RE: Serial No. 10/629,268  
Title: "Measurement-While-Drilling Assembly Using Real-Time Toolface Oriented Measurements"  
Docket No.: 414-29494-US

NUMBER OF PAGES INCLUDING THIS COVER SHEET: 3

IF ANY OF THESE PAGES ARE NOT RECEIVED, PLEASE CALL BETH AT (713) 266-1130

Attached is the Transmittal of Issue Fee/Publication Fee.

**CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that this correspondence, along with any papers referred to as being attached, is being transmitted by facsimile to the attention of the Office of Patent Publication, facsimile no. (571) 273-2885 on this 8th day of December, 2005.

  
Beth Pearson-Naul

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